

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

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 TITLE: ~~Anticancer substance~~, emitinin. ←
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PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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ABSTRACT:

21 A culture broth of ~~Tricholoma matsutake~~ or Pleurotus spedoleucus is treated with an ion-exchange resin, ultrafiltered, fractionally precipitated by an organic solvent, acid, and a quaternary NH₄⁺ salt, and subjected to chromatog. to yield an anticancer substance, emitinin (I) [64641-39-0]. Thus, mycelium of ~~P. matsutake~~ IFO 6915 was cultured at 24° for 3 wk on a medium (pH 4.5) containing Ebios 0.5 and glucose 2%. The culture supernatant was decolorized with active C and mixed with 3 vols. of alc. to precipitate crude I. ~~The mycelium was~~
 29 ~~also extracted with hot water~~ and I was also precipitated by addition of alc. The crude I was purified by column chromatog. on Duolite A-7 (H⁺), alc. precipitation, and dialysis. I-A [64641-40-3] (31 mg) and I-B [64641-41-4] (10 mg) were separated by adsorption on DEAE-Sephadex; I-B was adsorbed.

SUPPL. TERM: neoplasm inhibitor emitinin; Tricholoma emitinin; Pleurotus emitinin
 INDEX TERM: Neoplasm inhibitors (emitinin)
 INDEX TERM: Pleurotus spedoleucus Tricholoma matsutake (emitinin from)
 INDEX TERM: Fermentation (emitinin, by Pleurotus or Tricholoma)
 INDEX TERM: 64641-39-0 64641-40-3 64641-41-4
 ROLE: BIOL (Biological study) (neoplasm inhibitor from fungi)